



RR-0803
Third Year B. Sc. Examination
March / April – 2010
Bioscience : Paper - VI

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

<p>નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : T. Y. B. Sc.</p> <p>Name of the Subject : Bioscience - 6</p> <p>Subject Code No. : 0 8 0 3 Section No. (1, 2,.....) : Nil</p>	<p>Seat No. : <input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/></p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; text-align: center; margin-top: 10px;">Student's Signature</div>
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- (2) Draw neat and labelled diagram wherever necessary.
- (3) Figures to the right indicate full marks of the question.

- 1 Define and explain in brief giving examples wherever necessary : (2-3 lines only) 12
- (i) Presumptive test
 - (ii) BOD
 - (iii) Endotoxins
 - (iv) Food poisoning
 - (v) MBRT
 - (vi) Recurrent infection.
- 2 Describe in detail the causative agent, pathogenesis, symptoms and diagnosis of Filariasis OR Hook worm infections. 14

- 3** Answer the following : (any two) **14**
- (i) Write a note on "Eradication of Polio".
 - (ii) Sensitivity testing guides in treatment of disease - Justify.
 - (iii) How will you diagnose mycotic infections ?
 - (iv) Explain transmission and control of Gonorrhoea.

- 4** Explain in detail the role of microorganisms in anaerobic digestion of sludge. **15**

OR

Why E.Coli is considered as indication of faecal contamination of drinking water.

- 5** Write short notes on : (any three) **15**
- (i) Laminar air flow system
 - (ii) Salmonellosis
 - (iii) DOTS
 - (iv) Types of tetanus
 - (v) Diphtheric toxin.